Notes for GarageBand for Non-Musicians Program - April CMUG Meeting

Intro with iPad demo of Let it Be on iPad with Smart Guitar:

- GarageBand iOS and GarageBand Mac OS are examples of how Apple has taken a powerful App and created a comparable version in iOS, taking advantage of the unique touch interface: iPad "becomes" the instrument. One cannot strum the screen of their iMac. GB on Mac uses it's large hard drive and powerful processors to it's advantage in editing the instruments, applying effects, etc. The simple editing techniques demoed here tonight are doable in GB for iOS. Track created in GB iOS can be used in GB for Mac. If you have an iPad 2 or newer, download GarageBand and have some fun!

A. **INTRO**
   A. GarageBand is 2 apps in one - Music creation and audio/sound recording/editor. Both parts of which mesh together to form a truly exciting way to play with sound. Tonight we'll focus on the editing side of GarageBand.
   B. Goal:
      A. Introduce some ideas about using GB in non music way, recording and editing Sound, specifically Voice.
      B. Demonstrate simple editing tools to get your feet wet and get you started in creating your own projects with GB.
   C. History
      A. GB was introduced by Jobs at MacWorld Jan 2004 with John Mayer assisting.
      B. Part of iLife packages: GarageBand, iMovie, iPhoto, iDVD, iWeb. Continued in iLife until package was dissolved in 2011 and apps made available individually.
   D. Versions: Two (+)
      A. Mac OS: currently GarageBand, version 10.0.1 October 2013 It's pretty big file! at least ½ gig or more with extra loops and software instruments downloaded.
         A. When downloading and installing, it saves previous version intact by renaming it GarageBand 6.0.5, and placing it in a folder in the Applications folder. This versions remains a separate app and is completely usable on the same Mac. (opportunity to continue to use old version and still familiarize with new version until ready (or not) to move to new version GB10).
      B. iOS: GarageBand 2. Awesome software instruments!

B. **GARAGEBAND PROJECT IDEAS**

   A. Inspired to share these ideas from listening to one of my favorite podcasts: Mac Power Users #174 w/ Katie Floyd and David Sparks. Chris Breen of MacWorld is the guest as they discuss GB. Beginning first third of podcast was centered around GB for non-musicians. Great examples of ideas and ways to use the editing side of GB with voice. So here's a two for one. I downloaded the podcast, dragged into GB from iTunes. Using simple editing tools, picked out the parts i wanted, put together, and will play this short 3-4min excerpt.

   B. Play demo. Show GB with podcast track. Note breaks where it was edited and gives space/time between cuts. Demonstrate simple editing techniques after playing podcast.

      A. Open a new project, choose audio,

      B. Show play/record tools, Timer/measure/Key/temp, Loops, Media browser.

      C. Choose podcast from iTunes in Media Browser, drag file into editing area. Note how new track is created.

D. Look at tools in track labeled area, Mute, solo, track sound level, stereo orientation

E. Place playhead at beginning of track to start playing.

F. I take notes as I listen, writing down the time stamp of areas I want to include.

G. Using space bar on keyboard to play and pause the podcast.

H. Click on track that will be edited. Use Command-T to split a section apart.

I. Click and drag to move the sections of audio on the editing area. I drag the sections to different track to keep separate

J. Click to select then press delete key to delete sections of audio.

K. Use spaces between sections to create clean audio between section. It's the timing.

L. When finished, save the project, and "Share" to iTunes or Ringtones if appropriate.

M. Project is now available in Media Browser and in iTunes.

Discuss the ideas presented in podcast briefly

C. Record conversations:

A. For fun with kids who've never heard their own voice played back. Record them reading a favorite bedtime story, fave book, relating an event, day at school, etc.

B. Record yourself reading a story for kids, for friends, personal "audiobook".

C. Record family history, family and friends relating a funny family story, event, vacation, wedding memories, the day he proposed, the day your child was born, a visit to/from a distant family member/ friend etc….

D. Use external device such as iPhone/iPod touch using Voice Memo app or directly into GB for iOS. Record as long as you have memory to use. Transfer recording to iTunes when plugged in and syncing. For iPad, use GB or voice memo app. Can Use dedicated Mini-recorders. A small external device or microphone can be less intimidating than a video camera, especially around older generations who did not grow up with tech everywhere.

E. Record directly into GB app using built-in Mic or external mic. Open a new "project" as an Audio file.

F. GB accepts all kinds of sound files. AIFF, WAV, AAC except protected AAC files), Apple Lossless, MP3. Access via the Media Browser or Drag the file into GB and it creates a track for itself, and off you go.

G. Email sound to yourself (smaller files). Use SoundCloud or DropBox to upload/share larger sound files and transfer between device and GB for Mac etc. Connect to iTunes and sync with iPhones, iPad.

   D. Use conversations with iPhoto slideshows, iMovie soundtracks,

   A. Demo iPhoto slideshow with soundtrack of narration recorded in GB. Import your soundtrack to iTunes, and it will show up in iPhoto in slideshow area that allows you to choose music to add to slideshow.

   A. How I did it: Created slide show in iPhoto first, opened GB, created new "song", connected external mic, pressed "record", started iPhoto slideshow in preview mode, spoke comments into mic. When slideshow was finished, turned off GB recording, edited track as needed, then saved "song" and using drop down menu "Share," uploaded song to iTunes.

   B. Back in iPhoto, in the slideshow controls, clicked on the music button, selected the GB commentary that was shared into iTunes, clicked on "choose" button. Slideshow should now play the commentary track as "music" along with the iPhoto slideshow.

   C. Can use similar process in iMovie. Combine photos with video clips. Add a narration track from GB, saved to iTunes, then using Media Browser.

   D. Can add music background also by creating second track in GB to play at same time as narration track. Lower volume of music track. Consider instrumental music vs songs with voice. Save combined music/narration project to iTunes.

C. SIMPLE EDITING TECHNIQUES - LEARN BY CREATING A RINGTONE

   A. Demo creating ringtone by following Chris Breen's MacWorld Article step by step. Has most of the basic editing skills you need to start working with Audio in GB. Good way to learn basic editing tips. Can then apply skills to edit audio/sound tracks on your own.

D. Wrap Up:

   A. GB can be a great tool for sound/voice editing. Start simple and gradually learn more as you become more experienced.

   B. Hope I've given you some inspiration to try out some of the projects we've talked about tonight. Go ahead, you can't break it, it's a Mac!

   C. Don't forget to get GB for iOS for your iPad or even iPhone. If anything, it's fun to play around with and if you use your headphones, no one will hear your racket, er…. your musical creations!

Links for GarageBand help, demos, info:

GarageBand for Mac OS - Mac app store.

Podcast - Mac Power Users #174: http://5by5.tv/mpu/174. Do listen to the whole podcast!! Very good podcast for weekly power tips for those a little more experienced and comfortable with their Mac.

Create a ringtone tutorial by Chris Breen at MacWorld.com: (as mentioned in podcast)

> http://www.macworld.com/article/2084920/creating-ringtones-with-garageband.html

Chris Breen's series of articles in MacWorld Magazine on GarageBand for OS X in order of appearance:

> http://www.macworld.com/article/2083402/getting-started-with-garageband.html

> http://www.macworld.com/article/2084920/creating-ringtones-with-garageband.html

> http://www.macworld.com/article/2087321/get-your-groove-on-with-garageband-loops.html

> http://www.macworld.com/article/2090130/how-to-play-garageband.html

> http://www.macworld.com/article/2092270/garageband-for-guitar-players.html

> http://www.macworld.com/article/2094842/garageband-the-finer-and-final-points.html

GarageBand Help at apple.com: http://help.apple.com/garageband/mac/10.0/

GarageBand in iOS Help at apple.com: http://help.apple.com/garageband/ipad/2.0/

Ringtones in iOS: http://www.macworld.com/article/2079194/how-to-create-ios-ringtones.html

lynda.com: Cool tutorials in GarageBand and many, many other apps by the pros.

youtube.com: video demos, tutorials and reviews of GarageBand, search 'garageband 10'

Dayton mini microphone for iPhone or MacBook: http://www.amazon.com/Dayton-Audio-iMM-6-Calibrated-Measurement/dp/B00ADR2B84/ref=sr_1_2?s=electronics&ie=UTF8&qid=1397435787&sr=1-2&keywords=dayton+microphone

Let it Be - guitar tabs/chords: Search by name, performer, composer to find songs: http://tabs.ultimate-guitar.com/b/beatles/let_it_be_ver6_crd_1089764id_02092011date.htm

R2-D2 (StarWars Robot) Sounds: http://starwars.com/play/online-activities/soundboards/#/?theme=09

Theremin sounds: http://www.femurdesign.com/theremin/